 HYUNDAI Technical Service Bulletin	GROUP CAMPAIGN	NUMBER 20-01-025H
	DATE June, 2020	MODEL(S) Sonata (LFA)
SUBJECT: SONATA (LFA) CONTROL LOGIC UPDATE (SERVICE CAMPAIGN TWW)		

This TSB supersedes TSB 16-01-053 to add Retail Vehicles.

*** IMPORTANT**

***** Retail Vehicles Only *****

Dealers must perform this Service Campaign whenever an affected vehicle is in the shop for any maintenance or repair.

When a vehicle arrives at the Service Department, access Hyundai Motor America's "Vehicle Information Screen (VIS)" via WEBDCS to identify open Campaigns.

Description: This bulletin provides the procedure to update both the ECM (Engine Control Module) and the TCM (Transmission Control Module) on certain 2015-2017 Hyundai Sonatas equipped with 1.6L turbo engine 7-speed DCT Transmission.

Applicable Vehicles: Certain 2015-2017MY Sonata (LFA) equipped with 1.6L turbo engine 7-speed DCT Transmission

GDS Information:

System Selection: **ENGINE CONTROL MODULE (ECM)**

Event #	Description
418	418.LFA 1.6T-GDI+DCT CONTROL LOGIC IMPROVEMENT(ECU)

(*or use a later available event as listed in the GDS ECU Update screen if one is available.)

System Selection: **TRANSMISSION CONTROL MODULE (TCM)**

Event #	Description
419	419.LFA 1.6T-GDI+DCT CONTROL LOGIC IMPROVEMENT (TCU(DCT))

(*or use a later available event as listed in the GDS ECU Update screen if one is available.)

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Causal Code
Sonata (LFA)	60CA26R0	ECM &TCM UPDATE	0.5 M/H	39118-2BLA3	T31	ZZ3

NOTE 1: Submit Claim on Campaign Claim Entry Screen

NOTE 2: If a part is found in need of replacement while performing Service Campaign TWW, and the affected part is still under warranty, submit a separate claim using the same Repair Order. If the affected part is out of warranty. submit a Prior Approval Request for goodwill consideration prior to performing the work.

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

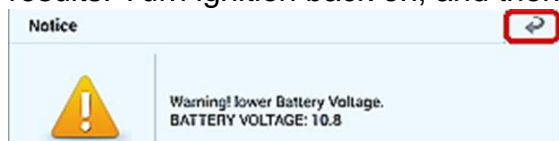
NOTICE

You must initially perform GDS ECM Update in Auto Mode.

If the ECM Update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.

! WARNING**GDS Vehicle Battery Voltage Warning:**

If voltage is below 12 volts as per the below GDS warning, then select **Back** and run the engine at least 20 minutes to ensure an adequate battery state of charge for reliable update results. Turn ignition back on, and then retry the ECU update again.

**Service Procedure:**

1. Perform GDS Mobile software update per TSB **15-GI-001**.
2. After successful completion of **ECM software update**, check for Diagnostic Trouble Codes in **ALL** menus and erase any DTC.
3. Erase the DTC in the BlueLink system per TSB **12-BE-005-2**.
4. Confirm normal vehicle operation.
5. The service procedure is now complete.

ROM Information:**NOTICE**

Both the ECM and TCM update events must be performed.

ECM ROM ID Table:

MODEL	OPTION	ECU P/No.	ROM ID	
			OLD	NEW
LFA 1.6 T-GDI DCT	+ IMMO	39118-2BLA0	GTLF-ENU6FS00H00 GTLF-ENU6FS01H00 GTLF-ENU6FS02H00 GTLF-ENU6FS03H00 GTLF-ENU6FS04H00	GTLF-ENU6FS05H00
	- IMMO	39118-2BLA3	GTLF-ENU6ES00H00 GTLF-ENU6ES01H00 GTLF-ENU6ES02H00 GTLF-ENU6ES03H00 GTLF-ENU6ES04H00	GTLF-ENU6ES05H00

+IMMO = Start Stop Button

-IMMO = Key Start

TCM ROM ID Table:

MODEL	TCU P/No.	ROMs ID	
		OLD	NEW
LFA 1.6 T-GDI DCT	95440-2D001	DLF0T16NS0 DLF0T16NS1 DLF0T16NS2 DLF0T16NS3 DLF0T16NS4 DLF0T16NS5 DLF0T16NS6 DLF0T16NS7 DLF0T16NS8 DLF0T16NS9 DLF0T16NSA DLF0T16NSB	DLF0T16NSC

Manual Mode Password:**#418 ECM**

Menu	Password
LFA 1.6T-GDI ECU -IMMO 39118-2BLA3	1823
LFA 1.6T-GDI ECU +IMMO 39118-2BLA0	1820

#419 TCM

Menu	Password
LF 1.6T-GDI TCU(DCT) 95440-2D001	2001